

## ABSTRACT

The invention provides a Fe-Cr alloy structure containing Cr of about 6% or more by mass but about 25% or less by mass, having a corrosion-resistant paint film containing metal powder having ionization tendencies greater than iron, with a content of the metal powder of about 20% or more by volume but about 60% or less by volume in a dry paint film, with a dry film thickness of about 5  $\mu\text{m}$  or more but about 100  $\mu\text{m}$  or less; and a manufacturing method thereof, whereby excellent corrosion resistance and excellent adhesion is provided.